

## EAST Search History

| Ref # | Hits | Search Query   | DBs                | Default Operator | Plurals | Time Stamp          |
|-------|------|--|--------------------|------------------|---------|---------------------|
| S1    | 1    | "20040086281"  | US-PGPUB;<br>USPAT | OR               | ON      | 2007/02/09<br>20:02 |
| S2    | 2    | ("6744992"<br>"20030118350").pn.   | US-PGPUB;<br>USPAT | OR               | ON      | 2007/02/09<br>20:03 |
| S3    | 2    | ("6556326"<br>"20020191260").pn.   | US-PGPUB;<br>USPAT | OR               | ON      | 2007/02/09<br>20:03 |
| S4    | 1    | "20040161245"  | US-PGPUB;<br>USPAT | OR               | ON      | 2007/02/10<br>10:17 |
| S5    | 0    | "398"/\$.ccls. and DPSF  | US-PGPUB;<br>USPAT | OR               | ON      | 2007/02/10<br>10:17 |
| S6    | 238  | "398"/\$.ccls. and DPSK  | US-PGPUB;<br>USPAT | OR               | ON      | 2007/02/10<br>13:06 |
| S7    | 222  | "398"/\$.ccls. and DPSK<br>and receiver  | US-PGPUB;<br>USPAT | OR               | ON      | 2007/02/10<br>13:07 |
| S9    | 54   | "398"/\$.ccls. and DPSK<br>and receiver and<br>@ad<"19961220"                            | US-PGPUB;<br>USPAT | OR               | ON      | 2007/02/10<br>14:49 |
| S10   | 0    | "398"/\$.ccls. and DPSK<br>and receiver and Q\$factor<br>and @ad<"19961220"              | US-PGPUB;<br>USPAT | OR               | ON      | 2007/02/10<br>14:45 |
| S11   | 7    | "398"/\$.ccls. and DPSK<br>and receiver and Q\$factor                                    | US-PGPUB;<br>USPAT | OR               | ON      | 2007/02/10<br>14:49 |
| S12   | 8    | "398"/\$.ccls. and Q\$factor<br>and receiver and<br>@ad<"19961220"                       | US-PGPUB;<br>USPAT | OR               | ON      | 2007/02/10<br>14:51 |
| S13   | 0    | "398"/\$.ccls. and CSNR<br>and receiver and<br>@ad<"19961220"                            | US-PGPUB;<br>USPAT | OR               | ON      | 2007/02/10<br>14:51 |
| S14   | 1096 | "398"/\$.ccls. and ratio<br>and receiver and<br>@ad<"19961220"                           | US-PGPUB;<br>USPAT | OR               | ON      | 2007/02/10<br>14:52 |
| S18   | 991  | "398"/\$.ccls. and (signal<br>adj noise adj ratio)                                       | US-PGPUB;<br>USPAT | OR               | ON      | 2007/02/10<br>14:54 |
| S19   | 182  | "398"/\$.ccls. and (signal<br>adj noise adj ratio) and<br>receiver and<br>@ad<"19961220" | US-PGPUB;<br>USPAT | OR               | ON      | 2007/02/10<br>14:55 |
| S20   | 7    | "398"/\$.ccls. and (signal<br>adj noise adj ratio) and<br>DPSK and<br>@ad<"19961220"     | US-PGPUB;<br>USPAT | OR               | ON      | 2007/02/10<br>15:01 |

|     |      |   |                                 |    |    |                     |
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| S21 | 1    | "5872647".pn.   | US-PGPUB;<br>USPAT              | OR | ON | 2007/02/10<br>15:01 |
| S22 | 3    | ("6,744,992" "6,556,326"<br>"5,946,119").pn.  | US-PGPUB;<br>USPAT              | OR | ON | 2007/02/10<br>18:14 |
| S23 | 2019 | 398/182-198.ccls.   | US-PGPUB;<br>USPAT              | OR | ON | 2007/02/10<br>18:15 |
| S24 | 707  | 398/152,154.ccls.   | US-PGPUB;<br>USPAT              | OR | ON | 2007/02/10<br>18:15 |
| S25 | 1762 | 398/182-198.ccls. and<br>modulat\$4   | US-PGPUB;<br>USPAT              | OR | ON | 2007/02/10<br>18:15 |
| S28 | 604  | (Taga-Hidenori Yamamoto-<br>Shu Edagawa-Noboru<br>Akiba-Shigeyuki).in.  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2007/06/06<br>18:33 |
| S29 | 15   | ("5127066" "5611005").<br>PN. OR ("5872647").<br>URPN.  | US-PGPUB;<br>USPAT;<br>USOCR    | OR | ON | 2007/06/06<br>18:41 |
| S30 | 18   | ("3404353"   "5023948"  <br>"5416628"   "5526162"  <br>"5706084"   "5872647"  <br>"5910852"   "5946119"  <br>"5978116"   "6005702"  <br>"6008922"   "6055081"  <br>"6134033").PN. OR<br>("6459518").URPN. | US-PGPUB;<br>USPAT;<br>USOCR    | OR | ON | 2007/06/06<br>18:43 |
| S31 | 18   | ("3404353"   "5023948"  <br>"5416628"   "5526162"  <br>"5706084"   "5872647"  <br>"5910852"   "5946119"  <br>"5978116"   "6005702"  <br>"6008922"   "6055081"  <br>"6134033").PN. OR<br>("6459518").URPN. | US-PGPUB;<br>USPAT;<br>USOCR    | OR | ON | 2007/06/06<br>18:43 |
| S32 | 7    | ("5339183"   "5373382"  <br>"5872647"   "6072615"  <br>"6163394"   "6198559").<br>PN. OR ("6377377").<br>URPN.  | US-PGPUB;<br>USPAT;<br>USOCR    | OR | ON | 2007/06/06<br>18:45 |
| S33 | 40   | ("4067642"   "4261639"  <br>"4969710"   "4979234"  <br>"5119447"   "5166821"  <br>"5224183"   "5261016").<br>PN. OR ("5373382").<br>URPN.   | US-PGPUB;<br>USPAT;<br>USOCR    | OR | ON | 2007/06/06<br>18:45 |
| S34 | 38   | ("5008957"   "5373382"  <br>"5473458"   "5477375"  <br>"5515196"   "5543952").<br>PN. OR ("6097525").<br>URPN.  | US-PGPUB;<br>USPAT;<br>USOCR    | OR | ON | 2007/06/06<br>18:47 |

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| S35 | 38    | ("5008957"   "5373382"   "5473458"   "5477375"   "5515196"   "5543952").<br>PN. OR ("6097525").<br>URPN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/06/06<br>18:48 |
| S36 | 38    | ("5008957"   "5373382"   "5473458"   "5477375"   "5515196"   "5543952").<br>PN. OR ("6097525").<br>URPN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/06/06<br>18:48 |
| S37 | 38    | ("5008957"   "5373382"   "5473458"   "5477375"   "5515196"   "5543952").<br>PN. OR ("6097525").<br>URPN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/06/06<br>19:31 |
| S38 | 15406 | data with (intensity<br>amplitude) with modulat<br>\$4   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/06/06<br>19:32 |
| S39 | 5373  | data near3 modulat\$4<br>with (intensity amplitude)<br>near3 modulat\$4                                  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/06/06<br>19:32 |
| S40 | 1641  | data near modulat\$4 with<br>(intensity amplitude) near<br>modulat\$4                                    | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/06/06<br>19:33 |
| S41 | 109   | data adj modulator with<br>(intensity amplitude) near<br>modulat\$4                                      | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/06/06<br>20:06 |
| S42 | 3     | ("5473458"   "6459519"  <br>"6744992").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/06/06<br>20:06 |
| S43 | 9     | ("5315426"   "5432632"  <br>"5596436"   "5710651").<br>PN. OR ("6459519").<br>URPN.                      | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/06/06<br>21:03 |
| S44 | 1409  | nrz with RZ  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/06/06<br>21:03 |
| S45 | 1045  | optical and NRZ with RZ  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/06/07<br>10:54 |
| S46 | 142   | 398/184.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/06/07<br>10:54 |
| S47 | 497   | 398/183.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/06/07<br>10:55 |
| S48 | 417   | 398/154.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/06/07<br>10:55 |

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| S49 | 239  | 398/186.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR    | OR | ON | 2007/06/07<br>10:55 |
| S50 | 136  | modulation adj depth and<br>RZ  | US-PGPUB;<br>USPAT              | OR | ON | 2007/10/29<br>14:57 |
| S51 | 136  | modulation adj depth and<br>RZ  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2007/10/29<br>19:01 |
| S52 | 400  | duty adj cycle and RZ   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2007/10/29<br>15:29 |
| S53 | 619  | duty adj (ratio cycle) and<br>RZ  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2007/10/29<br>19:02 |
| S54 | 474  | duty adj (ratio cycle) and<br>RZ and optical  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2007/10/30<br>07:20 |
| S55 | 480  | duty near3 (ratio cycle)<br>and RZ and optical  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2007/10/30<br>14:34 |
| S56 | 5341 | optical adj modulator and<br>@ad< "19961001"  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2007/10/30<br>14:35 |
| S57 | 6    | optical with intensity with<br>modulator with depth and<br>@ad< "19961001"  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2007/10/30<br>14:39 |
| S58 | 15   | optical and intensity with<br>modulator with depth and<br>@ad< "19961001"   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2007/10/30<br>14:41 |
| S59 | 15   | optical and intensity with<br>modulator with depth and<br>@ad< "19961201"   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2007/10/30<br>14:42 |
| S60 | 72   | optical and intensity with<br>modulator same depth<br>and @ad< "19961201"   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2007/10/30<br>14:42 |
| S61 | 239  | 398/186.ccls.   | US-PGPUB;<br>USPAT              | OR | ON | 2007/10/30<br>19:32 |
| S62 | 369  | "398"/\$.ccls. and modulat<br>\$4 with (index depth) and<br>@ad< "19961204"   | US-PGPUB;<br>USPAT              | OR | ON | 2008/07/13<br>12:17 |
| S63 | 43   | "398"/\$.ccls. and modulat<br>\$4 with (different optimal<br>optimum variable) with<br>(index depth) and<br>@ad< "19961204" | US-PGPUB;<br>USPAT              | OR | ON | 2008/07/13<br>12:47 |

7/13/08 5:06:56 PM

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